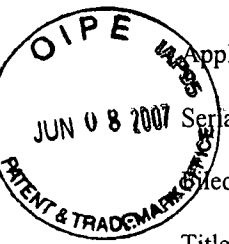


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1648

Applicant(s): Lemon et al. Group Art Unit: 1648
 Serial No.: 10/580,979 Examiner: Unknown
 Filed: 31 May 2006 Docket No.: 265.00410101
 Confirmation No.: 9290
 Title: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE

Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):


- ☒ An itemized return postcard.
- ☐ A Petition for Extension of Time for __ month(s). Please charge Deposit Account No. 13-4895 in the amount of \$__ for the required fee.
- ☒ A Supplemental Information Disclosure Statement (2pgs); 1449 form (1 pg); and copy of 5 documents cited on the 1449 form.
- ☐ A request for continued examination (RCE). Please charge Deposit Account No. 13-4895 in the amount of \$__, for the required filing fee.
- ☐ An Appeal Brief. Please charge Deposit Account No. 13-4895 in the amount of \$__, for the required Appeal Brief filing fee.
- ☐ A check in the amount of \$__, representing ____.
- ☐ A certified copy of a __ application, Serial No. __, filed ____, the right of priority of which is claimed under 35 U.S.C. §119.
- ☐ Other: ____.
- ☐ Amendment ☐ No Additional fee is required. ☐ The fee has been calculated as shown:

| Fee Calculation for Claims Pending After Amendment | | | | | |
|---|------------------------------------|-----------------------------|-----------------------------------|---------------------------|--------------------------|
| | Pending Claims after Amendment (1) | Claims Paid for Earlier (2) | Number of Additional Claims (1-2) | Cost per Additional Claim | Additional Fees Required |
| Total Claims | | | | x \$25 = | |
| Independent Claims | | | | x \$100 = | |
| One or More New Multiple Dependent Claims Presented? If Yes, Add \$180 Here → | | | | | |
| Total Additional Claim Fees Required | | | | | |

Please consider this a **PETITION FOR EXTENSION OF TIME** for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

CERTIFICATE UNDER 37 C.F.R. §1.8: The undersigned hereby certifies that this Transmittal Letter and the paper(s), as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 5 day of June, 2007.

MUETING, RAASCH & GEBHARDT, P.A.
 Customer Number: 26813

By: 
 Name: David L. Provence
 Reg. No.: 43,022
 Direct Dial: 612-305-1005
 Facsimile: 612-305-1228

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Lemon et al.

Group Art Unit: 1648

Serial No.: 10/580,979

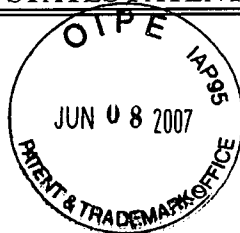
Examiner: Unknown

Filed: 31 May 2006

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| Fee Calculation for Claims Pending After Amendment | | | | | |
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| One or More New Multiple Dependent Claims Presented? If Yes, Add \$180 Here → | | | | | |
| Total Additional Claim Fees Required | | | | | |

Please consider this a **PETITION FOR EXTENSION OF TIME** for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

CERTIFICATE UNDER 37 C.F.R. §1.8: The undersigned hereby certifies that this Transmittal Letter and the paper(s), as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 5 day of June, 2007.

MUETING, RAASCH & GEBHARDT, P.A.
Customer Number: 26813

By: David L. Provence
Name: David L. Provence
Reg. No.: 43,022
Direct Dial: 612-305-1005
Facsimile: 612-305-1228



PATENT
Docket No. 265.00410101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | | |
|-------------------|--|---|-----------------|---------|
| Applicant(s): | Lemon et al. |) | Group Art Unit: | 1648 |
| | |) | | |
| Serial No.: | 10/580,979 |) | Examiner: | Unknown |
| Confirmation No.: | 9290 |) | | |
| | |) | | |
| Filed: | 31 May 2006 |) | | |
| | |) | | |
| For: | REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE | | | |

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the continuing duty of candor and good faith that is to be demonstrated before the United States Patent and Trademark Office, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Pursuant to M.P.E.P. §609, the information cited in the present Supplemental Information Disclosure Statement shall not be construed to be an admission that the information is, or is considered to be, material to patentability. Consideration of each of the documents listed on the attached 1449 form is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 form, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Deposit Account No. 13-4895.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.L./

Supplemental Information Disclosure Statement

Page 2 of 2

Applicant(s): Lemon et al.

Serial No.: 10/580,979

Confirmation No.: 9290

Filed: 31 May 2006

For: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE

The Examiner is invited to contact Applicants' Representatives at the telephone number listed below if they can be of any assistance during prosecution of the present application.

CERTIFICATE UNDER 37 C.F.R. 1.8:

The undersigned hereby certifies that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 5 day of June, 2007.

By: David L. Provence

Name: David L. Provence

June 5, 2007

Date

DLP/skd

Respectfully submitted

By

Muetting, Raasch & Gebhardt, P.A.

P.O. Box 581415

Minneapolis, MN 55458-1415

Phone: (612)305-1220

Facsimile: (612)305-1228

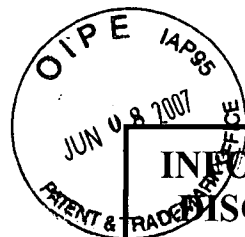
Customer Number 26813

By: David L. Provence

David L. Provence

Reg. No. 43,022

Direct Dial (612)305-1005



| | | |
|---|---|------------------------|
| INFORMATION DISCLOSURE STATEMENT | Atty. Docket No.: 265.00410101 | Serial No.: 10/580,979 |
| | Applicant(s): Lemon et al. | Confirmation No.: 9290 |
| | Application Filing Date: 31 May 2006 | Group: 1648 |
| | Information Disclosure Statement mailed: June <u>5</u> , 2007 | |

U.S. PATENT DOCUMENTS

| Examiner Initial | Copy Enclosed | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|---------------------|------------------|-----------------|------|------|-------|----------|-------------------------------|
| | | | | | | | |
| | | | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Copy Enclosed | Document Number | Date | Country | Class | Subclass | Translation | |
|---------------------|------------------|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | | Yes | No |
| | | | | | | | | |
| | | | | | | | | |

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

| Examiner Initial | Copy Enclosed | Document Description |
|---------------------|------------------|---|
| | ✓ | Iacovacci et al., "Molecular Characterization and Dynamics of Hepatitis C Virus Replication in Human Fetal Hepatocytes Infected <i>In Vitro</i> ," <i>Hepatology</i> , 1997; 26(5):1328-1337. |
| | ✓ | Lanford et al., "Demonstration of <i>in Vitro</i> Infection of Chimpanzee Hepatocytes with Hepatitis C Virus Using Strand-Specific RT/PCR," <i>Virology</i> , 1994;202(2): 606-614. |
| | ✓ | Nakajima et al., "Characterization of Long-Term Cultures of Hepatitis C Virus," <i>Journal of Virology</i> , 1996 May;70(5):3325-3329. |
| | ✓ | Shimizu et al., "Evidence for <i>in vitro</i> replication of hepatitis C virus genome in a human T-cell line," <i>Proc. Natl. Acad. Sci. USA</i> , 1992 June;89:5477-5481. |
| | ✓ | Shimizu et al., "Correlation between the infectivity of hepatitis C virus <i>in vivo</i> and its infectivity <i>in vitro</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 1993 July;90:6037-6041. |
| | | |
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|---|--|
| EXAMINER /B.B./ LI/ | Date Considered 02/21/2009 |
| <small>*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small> | |

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.L./